ABSTRACT

A process for the heterotrophic or predominantly heterotrophic production of whole-celled or extracted microbial products with a high concentration of omega-3 highly unsaturated fatty acids, producible in an aerobic culture under controlled conditions using biologically pure cultures of heterotrophic single-celled of the order microorganisms Thraustochytriales. harvested whole-cell microbial product can be added to processed foods as a nutritional supplement, or to fish animal feeds to enhance the omega-3 unsaturated fatty acid content of products produced from The lipids containing these fatty acids these animals. also be can extracted and used in nutritional, pharmaceutical and industrial applications.

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